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Wire rope slings for general purposes — Characteristics and specifications

Élingues de câbles en acier pour usages courants — Caractéristiques et spécifications

Reference number
ISO 7531 : 1987 (E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 7531 was prepared by Technical Committee ISO/TC 105, *Steel wire ropes*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Wire rope slings for general purposes — Characteristics and specifications

1 Scope and field of application

This International Standard specifies a series of wire rope slings for general purposes. It covers the type of sling, the working load limit, and the manufacture of slings and sling assemblies.

The multilegged slings covered by this International Standard are constructed with legs of equal nominal length.

NOTE — Slings of unequal leg length may also be constructed generally in accordance with this International Standard, but the rating of such slings requires special consideration by a competent person.

2 References

ISO 2408, *Steel wire ropes for general purposes — Characteristics.*

ISO 8793, *Steel wire ropes — Ferrule-secured eye terminations.*

ISO 8794, *Steel wire ropes — Spliced eye terminations for slings.*

3 Definition

working load limit (WLL) : The maximum load which the sling is rated to raise, lower or suspend in straight pull.

In the case of a single-leg sling, this load is applied vertically. In the case of a multilegged sling, this load is applied at a maximum included angle of 90° or 120° (see clause 5).

4 Single-leg slings

4.1 Types of sling

Single-leg slings shall be of one of the types shown in figure 1, with or without additional terminal fittings such as links or hooks. If a terminal fitting is used, the eye shall always be fitted with a thimble.

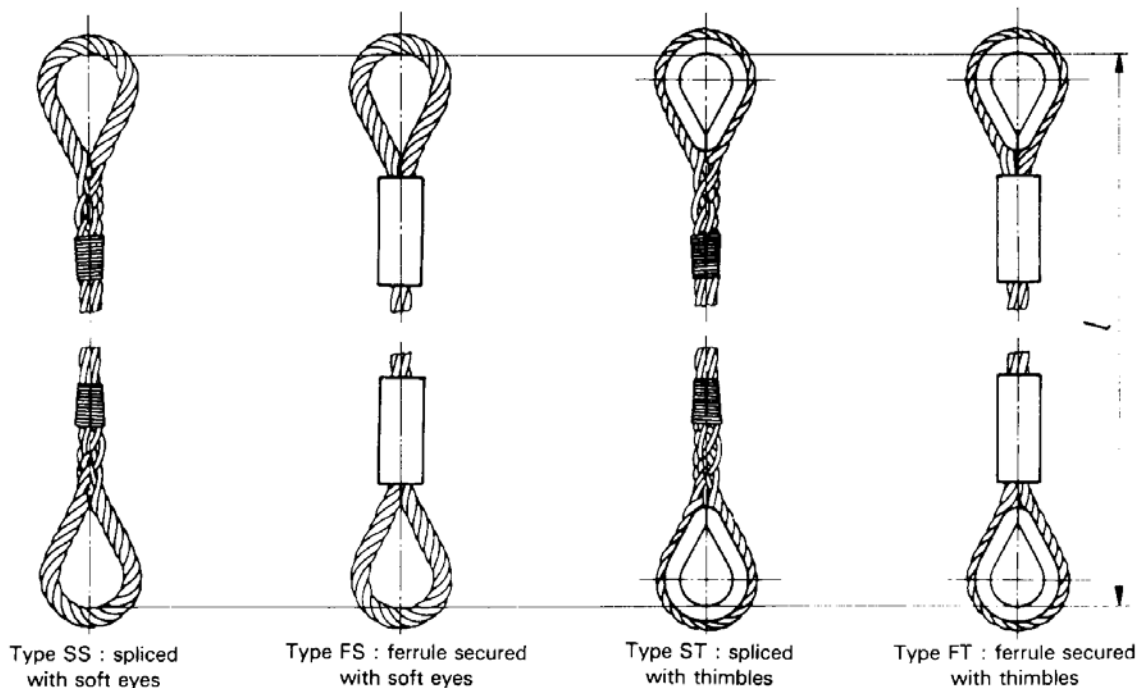


Figure 1 — Types of slings